

# Converting Colors

$Yxy(46.0952, 0.3003, 0.3059)$

Have a look what the booklet for  
Yxy(46.0952, 0.3003, 0.3059)  
contains.

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# Color

**Yxy(46.0952, 0.3003, 0.3059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B3C5
RGB	181, 179, 197
RGB Percent	71%, 70%, 77%
CMY	0.2903, 0.2980, 0.2274
CMYK	0.08, 0.09, 0.00, 0.23
HSL	247°, 13%, 74%
HSV	247°, 9%, 77%
XYZ	45.2514, 46.0952, 59.3406
YIQ	181.6500, -4.5860, 6.0220

# Conversions

## Conversions Part 2

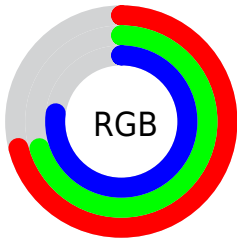
Format	Color
R <sub>Y</sub> B	181, 179, 197
Decimal	11908037
CIE Lab	73.61, 4.18, -8.87
CIE LCh	74, 9.808, 295.252
Yxy	46.0952, 0.3003, 0.3059
Android (android.graphics.Color)	4290098117 (0xFFB5B3C5)
YUV	181.6500, 7.5675, -0.5701
Hunter-Lab	67.8934, 0.1577, -4.2956

# Details

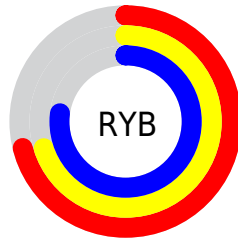
The Yxy color `46.0952, 0.3003, 0.3059` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `54.7991, 0.3245, 0.3513`, and the grayscale version is `46.5387, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.5769, 0.3025, 0.3100`, and `21.4941, 0.2968, 0.2992` is the 20% darker color. If you saturate the color by 10%, you get `36.7670, 0.2849, 0.2776`, and if you desaturate by 10%, it is `56.8226, 0.3138, 0.3310`.

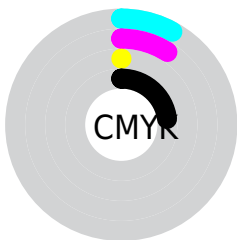
# Distribution



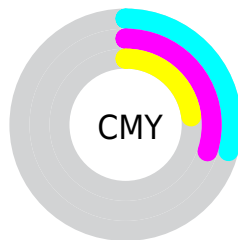
- Red (71%)
- Green (70%)
- Blue (77%)



- Red (71%)
- Yellow (70%)
- Blue (77%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)




- Cyan (29%)
- Magenta (30%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0952, 0.3003, 0.3059 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.0952, 0.3003, 0.3059 by changing the saturation by 10% instead.





 46.0952, 0.3003,  
0.3059

 46.0952, 0.3003,  
0.3059

371.1913, 0.3066,  
0.3174

 32.3210, 0.2987,  
0.3031


 84.3615, 0.3026,  
0.3100

 21.6068, 0.2967,  
0.2995


109.6223, 0.3034,  
0.3116

 13.5682, 0.2940,  
0.2947


139.4807, 0.3042,  
0.3129

 7.8210, 0.2902,  
0.2881

174.3212, 0.3048,  
0.3141

 3.9806, 0.2845,  
0.2783

214.5281, 0.3053,  
0.3150

 1.6627, 0.2750,  
0.2626

260.4858, 0.3058,

 0.3993, 0.2484,

0.3159

0.2060

312.5787, 0.3062,  
0.3167

0.0000, 0.0000,  
0.0000

46.0952, 0.3003,  
0.3059

46.0952, 0.3003,  
0.3059

36.7670, 0.2849,  
0.2776

56.8226, 0.3138,  
0.3310

28.7746, 0.2675,  
0.2465

68.9974, 0.3255,  
0.3531

22.0586, 0.2486,  
0.2131

82.6730, 0.3355,  
0.3724

16.5525, 0.2287,  
0.1787

96.0897, 0.3446,  
0.3865

12.1841, 0.2087,  
0.1451

96.8117, 0.3472,  
0.3860

■ 8.8733, 0.1900,  
0.1147

■ 6.5295, 0.1740,  
0.0900

■ 5.0468, 0.1619,  
0.0726

■ 4.2518, 0.1542,  
0.0627

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0952, 0.2903, 0.3074



46.0952, 0.3003, 0.3059



46.0952, 0.3138, 0.3103

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.0952, 0.3003, 0.3059



46.0952, 0.3399, 0.3425



46.0952, 0.2982, 0.3388

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.0952, 0.3003, 0.3059



54.7991, 0.3245, 0.3513

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.0952, 0.3112, 0.3488



46.0952, 0.3003, 0.3059



46.0952, 0.3354, 0.3507

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.0952, 0.3003, 0.3059



46.0952, 0.3369, 0.3311



46.0952, 0.3249, 0.3531



46.0952, 0.2891, 0.3261



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.0952, 0.3003, 0.3059



46.0952, 0.3230, 0.3160



46.0952, 0.3249, 0.3531



46.0952, 0.3022, 0.3426

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.0971, 0.3003, 0.3059



93.9466, 0.3088, 0.3216



52.7407, 0.2988, 0.3267



19.7708, 0.3077, 0.3196



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.0971, 0.3003, 0.3059



78.9574, 0.2973, 0.3004



47.1984, 0.3077, 0.3064



10.3422, 0.2999, 0.3052



2.7789, 0.1543, 0.0623



0.1508, 0.1673, 0.0695



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.0575, 0.3153, 0.3092



83.1946, 0.3160, 0.3047



53.6573, 0.3174, 0.3518



10.7958, 0.3154, 0.3087



9.8621, 0.3503, 0.1703



0.4728, 0.3434, 0.1665



# Previews

## White Background



This preview shows how the Yxy color 46.0952, 0.3003, 0.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

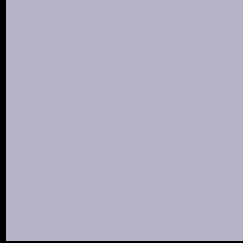
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0952, 0.3003, 0.3059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

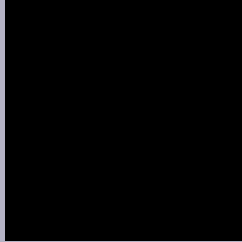
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0952, 0.3003, 0.3059**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0952, 0.3003, 0.3059.



This preview shows how white text looks on a background with the Yxy color 46.0952, 0.3003, 0.3059.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

46.0952, 0.3003, 0.3059

### Protanopia

46.2574, 0.2987, 0.3071

### Deuteranopia

46.2043, 0.3080, 0.3015



## Tritanopia

46.2409, 0.3018, 0.3109

# Trichromacy



## Original Color

46.0952, 0.3003, 0.3059

## Protanomaly

46.3770, 0.2995, 0.3072

## Deuteranomaly

46.0863, 0.3046, 0.3025

## Tritanomaly

46.2859, 0.3010, 0.3097

# Monochromacy



## Original Color

46.0952, 0.3003, 0.3059

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.5807, 0.3088, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0952, 0.3003, 0.3059 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 179, 197)` looks like.

```
.text, #text, p{  
    color:rgb(181, 179, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 179, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 179, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0952, 0.3003, 0.3059 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 179, 197) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 179, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 179, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 179, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 179, 197);  
box-shadow:4px 4px 4px 4px rgb(181, 179,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0952, 0.3003, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 179, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
179, 197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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